

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 13744  
Application ID: 09683658  
Title of Invention: IMPROVED PRESSURE VESSEL  
First Named Inventor: Mark D'Evelyn  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-01-31  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 121655  
Digital Certificate Holder: cn=Robert P. Santandrea, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US  
Certificate Message Digest: aque74dk1toSD/MMn2Z7Gg==  
Total Fees Authorized: \$2526.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 70868  
Deposit Account Name: Robert P. Santandrea



# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

121655



## IMPROVED PRESSURE VESSEL

First Named Inventor: Mark Philip D'Evelyn

### SUBMITTED BY

Name: Robert P. Santandrea  
Registration Number: 45,072  
Electronic Signature Mark: RPS Date Signed: 20020131

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	DEC1.tif
declaration	DEC2.tif
declaration	DEC3.tif
patent-assignments	SANTANDREA121655asgn.xml
fee-transmittal	SANTANDREA121655fee.xml
bibd-transmittal	SANTANDREA121655apds.xml

specification

121655.xml

**Attached Image File(s):**

DEC1.tif

DEC2.tif

DEC3.tif

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)
Algeria	1980	10.0	4.0	40.0	100.0	400.0
Algeria	1985	10.5	4.5	42.9	105.0	429.0
Algeria	1990	11.0	5.0	45.5	110.0	455.0
Algeria	1995	11.5	5.5	47.8	115.0	478.0
Algeria	2000	12.0	6.0	50.0	120.0	500.0
Algeria	2005	12.5	6.5	52.0	125.0	520.0
Algeria	2010	13.0	7.0	53.8	130.0	538.0
Algeria	2015	13.5	7.5	55.6	135.0	556.0
Algeria	2020	14.0	8.0	57.1	140.0	571.0
Algeria	2025	14.5	8.5	58.6	145.0	586.0
Algeria	2030	15.0	9.0	60.0	150.0	600.0
Algeria	2035	15.5	9.5	61.3	155.0	613.0
Algeria	2040	16.0	10.0	62.5	160.0	625.0
Algeria	2045	16.5	10.5	63.6	165.0	636.0
Algeria	2050	17.0	11.0	64.7	170.0	647.0
Algeria	2055	17.5	11.5	65.7	175.0	657.0
Algeria	2060	18.0	12.0	66.7	180.0	667.0
Algeria	2065	18.5	12.5	67.6	185.0	676.0
Algeria	2070	19.0	13.0	68.4	190.0	684.0
Algeria	2075	19.5	13.5	69.2	195.0	692.0
Algeria	2080	20.0	14.0	70.0	200.0	700.0
Algeria	2085	20.5	14.5	70.7	205.0	707.0
Algeria	2090	21.0	15.0	71.4	210.0	714.0
Algeria	2095	21.5	15.5	72.1	215.0	721.0
Algeria	2100	22.0	16.0	72.7	220.0	727.0
Algeria	2105	22.5	16.5	73.3	225.0	733.0
Algeria	2110	23.0	17.0	73.9	230.0	739.0
Algeria	2115	23.5	17.5	74.5	235.0	745.0
Algeria	2120	24.0	18.0	75.0	240.0	750.0
Algeria	2125	24.5	18.5	75.5	245.0	755.0
Algeria	2130	25.0	19.0	76.0	250.0	760.0
Algeria	2135	25.5	19.5	76.5	255.0	765.0
Algeria	2140	26.0	20.0	76.9	260.0	769.0
Algeria	2145	26.5	20.5	77.3	265.0	773.0
Algeria	2150	27.0	21.0	77.8	270.0	778.0
Algeria	2155	27.5	21.5	78.2	275.0	782.0
Algeria	2160	28.0	22.0	78.6	280.0	786.0
Algeria	2165	28.5	22.5	78.9	285.0	789.0
Algeria	2170	29.0	23.0	79.3	290.0	793.0
Algeria	2175	29.5	23.5	79.7	295.0	797.0
Algeria	2180	30.0	24.0	80.0	300.0	800.0
Algeria	2185	30.5	24.5	80.3	305.0	803.0
Algeria	2190	31.0	25.0	80.6	310.0	806.0
Algeria	2195	31.5	25.5	81.0	315.0	810.0
Algeria	2200	32.0	26.0	81.3	320.0	813.0
Algeria	2205	32.5	26.5	81.6	325.0	816.0
Algeria	2210	33.0	27.0	81.8	330.0	818.0
Algeria	2215	33.5	27.5	82.1	335.0	821.0
Algeria	2220	34.0	28.0	82.4	340.0	824.0
Algeria	2225	34.5	28.5	82.6	345.0	826.0
Algeria	2230	35.0	29.0	82.9	350.0	829.0
Algeria	2235	35.5	29.5			

Comments:

[illegible]

# DECLARATION FOR PATENT APPLICATION

Docket Num

121655

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPROVED PRESSURE VESSEL

the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having date before that of the application on which priority is claimed.

## Prior Foreign Application

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

I hereby claim the benefit under Title 35, United States Code §120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)
_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, **CUSTOMER NO. 006147.**

Robert P. Santandrea, Reg. No. 45,072

Christian G. Cabou, Reg. No. 35,467, Jill M. Breedlove, Reg. No. 32,684, Donald S. Ingraham, Reg. No. 33,714, Noreen Johnson, Reg. No. 38,929, Patrick K. Patnode, Reg. No. 40,121, Ronald E. Myrick, Reg. No. 26,315, Henry J. Policinski, Reg. No. 26,621, James W. Mitchell, Reg. No. 25,602, Bernard Snyder, Reg. No. 24,843, Catherine J. Winter, Reg. No. 38,364, and John Beninati, Reg. No. 40,510.

Address all telephone calls to: Robert P. Santandrea at telephone number (518) 387-6304

Address all correspondence to: **General Electric Company**  
**CRD Patent Docket Rm 4A59**  
**P.O. Box 8, Bldg. K-1**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information or belief are believed to be true and further that these statements were made with the knowledge that willful false statements and like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SOLE OR FIRST INVENTOR:

Full name: Mark Philip D'Evelyn

First Name

Middle Name

Last Name

Signature: *Mark Philip D'Evelyn*

Date

1/30/02

Residence: Niskayuna, NY

City and State

Citizenship: USA

Post Office Address: 2295 Pinehaven Drive, Niskayuna, NY 12309

SECOND JOINT INVENTOR:

Full name: Kristi Jean Narang

First Name

Middle Name

Last Name

Signature: *Kristi Jean Narang*

Date

01/30/02

Residence: Voorheesville, NY

City and State

Citizenship: USA

Post Office Address: 113 Columbia Turnpike, Rensselaer, NY 12144  
200 Indian Ledge Rd, Voorheesville, NY 12186 K/J

THIRD JOINT INVENTOR:

Full name: Robert Arthur Giddings

First Name

Middle Name

Last Name

Signature: *Robert Arthur Giddings*

Date

1/30/2002

Residence: Slingerlands, NY

City and State

Citizenship: USA

Post Office Address: 68 N. Helderberg Parkway, Slingerlands, NY 12159

FOURTH JOINT INVENTOR:

Full name: Robert Vincent Leonelli, Jr.

First Name

Middle Name

Last Name

Signature: *Robert Vincent Leonelli Jr.*

Date

JANUARY 29, 2002

Residence: Westerville, OH

City and State

Citizenship: USA

Post Office Address: 266 Crosslake Court, Westerville, OH 43081

FIFTH JOINT INVENTOR:

Full name: Stephen Lee Dole

First Name

Middle Name

Last Name

Signature: Stephen Lee Dole

Date

January 29, 2002

Residence: Columbus, OH

City and State

Citizenship: USA

Post Office Address: 1195 Vinewood Drive, Columbus, OH 43229

SIXTH JOINT INVENTOR:

Full name:

First Name

Middle Name

Last Name

Signature:

Date

Residence:

City and State

Citizenship:

Post Office Address:

SEVENTH JOINT INVENTOR:

Full name:

First Name

Middle Name

Last Name

Signature:

Date

Residence:

City and State

Citizenship:

Post Office Address:

EIGHTH JOINT INVENTOR:

Full name:

First Name

Middle Name

Last Name

Signature:

Date

Residence:

City and State

Citizenship:

Post Office Address:

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 2526**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 07-0868



Deposit Account Name: General Electric Company-GRC

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Robert P. Santandrea

Electronic Signature Mark: RPS

Date Signed: 20020131

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 103	103	\$ 18	83	\$ 1494
Independent Claims: 6	102	\$ 84	3	\$ 252



Subtotal For Extra Claims Fees: \$ 1746

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40